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(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **VAN RECK, Kristof** [BE/BE]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agents: **GROENENDAAL, Antonius, W., M.** et al.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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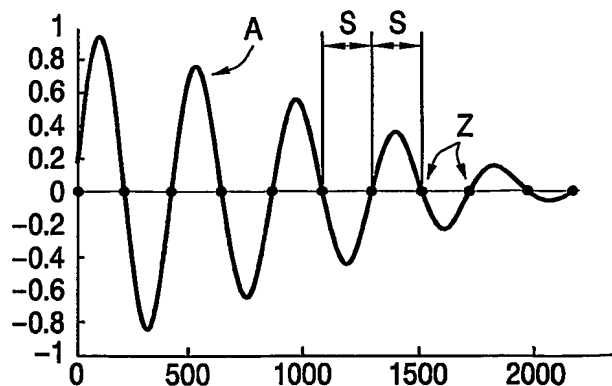
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(54) Title: **AUDIO SIGNAL ENHANCEMENT**



(57) Abstract: An audio signal (A) is enhanced by dividing the signal into time segments of a selected frequency range and scaling the audio signal in each time segment. The time segments (S) are defined by zero crossings (Z) of the audio signal, thus avoiding the introduction of any undesired harmonics. The scaling may involve linear or non-linear scaling factors. When the selected frequency range comprises bass frequencies, a very effective and distortion-free bass enhancement is obtained.

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